Part Three EPA-RG-2014-004884



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 35) Federal Operating Permit Program

| Date: 8/1/2012 | | | | RN No.: RN100218841 | Perm | Permit No.: O3394 | |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------|
| Area 1 | Area Name: Kaneka MS Polymer Division | | | | | | |
| | | | | L questions unless otherwise NLY these questions unless o | | | |
| VIII. | EMI | | N STANDARDS FO | AL REGULATIONS PAI OR HAZARDOUS AIR PO | | | |
| | C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued) | | | | | | |
| | | | | Drains (continu | ed) | | |
| | | 32. | trenches or pipes (tunit) that meet the | ca includes drains, drain hub that are part of a chemical m criteria listed in 40 CFR § 6 Question VIII.C.32 is "NO", | nanufacturing process 3.149(d). | s | YES 🗌 NO |
| | | 33. | trenches, or pipes the concentration great | ea includes drains, drain hub hat convey water with a tota ter than or equal to 10,000 p d in 40 CFR Part 63 Subpar | al annual average arts per million by w | eight | YES 🗌 NO |
| | | 34. | trenches or pipes the concentration great of compounds listed | ca includes drains, drain hub nat convey water with a tota ter than or equal to 1,000 pa d in 40 CFR Part 63 Subpar greater than or equal to 10 lit | l annual average rts per million by we t G, Table 9, at an ar | eight | YES 🗌 NO |
| | | 35. | trenches or pipes the that is subject to the or (1)(2); and the eq concentration great compounds listed in | ea includes drains, drain hub nat are part of a chemical ma e new source requirements of quipment conveys water with the than or equal to 10 parts in 40 CFR Part 63 Subpart Co eater than or equal to 0.02 Is | anufacturing process of 40 CFR § 63.100() h a total annual avera per million by weigh I, Table 8, at an avera | unit l)(1) age at of | YES NO |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 36) Federal Operating Permit Program

| Date: 8/1/2012 | 2 | RN No.: RN100218841 | Permit No.: O3394 | | | | |
|------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------|--|--|--|
| Area Name: 1 | Area Name: Kaneka MS Polymer Division | | | | | | |
| | | . questions unless otherwise directed. LY these questions unless otherwise dire | cted. | | | | |
| VIII. TITL EMIS (conti | SION STANDARDS FO | AL REGULATIONS PART 63 (40 CF OR HAZARDOUS AIR POLLUTANTS | R PART 63) S FOR SOUR | - NATIONAL CE CATEGORIES | | | |
| | Subpart G - National En Organic Chemical Man Operations, and Wastev | nission Standards for Organic Hazard afacturing Industry for Process Vents, vater (continued) | ous Air Pollu Storage Vess | tants from the Synthetic els, Transfer | | | |
| | | Gas Streams | | | | | |
| | 40 CFR § 63.107(b | a includes gas streams meeting the chara-) - (h) or the criteria of 40 CFR § 63.113 trol device not owned or operated by the | (i) and are | ☐ YES ☐ NO | | | |
| | | able to comply with 40 CFR §§ 63.113 - s described in 40 CFR § 63.100(q)(1), (3) | | ☐ YES ☐ NO | | | |
| | | nission Standards for Chromium Emis ng and Chromium Anodizing Tanks | sions From H | Hard and Decorative | | | |
| | anodizing tanks loc | a includes chromium electroplating or ch ated at hard chromium electroplating, de ating, and/or chromium anodizing operat | corative | ☐ YES ⊠ NO | | | |
| E. | Subpart O - Ethylene O | xide Emissions Standards for Steriliza | tion Facilities | | | | |
| | oxide is used in the | a includes sterilization facilities where et sterilization or fumigation of materials. Question VIII.E.1 is "NO", go to Section | - | ☐ YES ⊠ NO | | | |
| | CFR Part 63, Subpa | es located in the application area are sub art O. Question VIII.E.2 is "NO", go to Section | | ☐ YES ☐ NO | | | |
| | | urce has used less than 1 ton (907 kg) of asceutive 12-month periods after Decemb | | ☐ YES ☐ NO | | | |
| | 4. The sterilization so oxide within all cor | urce has used less than 10 tons (9070 kg) nsecutive 12-month periods after Decemb | of ethylene per 6, 1996 | ☐ YES ☐ NO | | | |



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| Date: 8/1/2012 | | | | RN No. | I | Permit No.: O3394 | | |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------|-------------------|--|
| Area N | Area Name: Kaneka MS Polymer Division | | | | | | | |
| F | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | |
| VIII. | | | | | | | | |
| | F. | Subp | oart Q - National E | mission Standards for | Industrial Process | Cooling To | owers | |
| | 1. The application area includes industrial process cooling towers. If the response to Question VIII.F.1 is "NO", go to Section VIII.G. | | | | ⊠ YES □ NO | | | |
| | 2. Chromium-based water treatment chemicals have been used on or after September 8, 1994. | | | | on or after | ☐ YES ⊠ NO | | |
| | G. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) | | | | | | es (Bulk Gasoline | |
| | The application area includes a bulk gasoline terminal. | | | | ☐ YES ⊠ NO | | | |
| | | 2. | The application are If the responses to to Section VIII.H. | ea includes a pipeline br Questions VIII.G.1 and | eakout station. VIII.G.2 are both | "NO", go | ☐ YES ⊠ NO | |
| | | 3. | a contiguous area a terminal or a pipeli | erminal or pipeline breamd under common contine breakout station. Question VIII.G.3 is "YE | rol with another bu | lk gasoline | ☐ YES ☐ NO | |
| | | 4. | a contiguous area a bulk gasoline termi the potential to em | terminal or pipeline breamed under common continals or pipeline breakout HAPs. Duestion VIII.G.4 is "YE | rol with sources, ot ut stations that emit | her than t or have | ☐ YES ☐ NO | |
| | | 5. | terminal emissions emissions screenin | s) is less than 5% of the screening factor (ET) of g factor (Ep). Question VIII.G.5 is "No | r the pipeline break | cout station | ☐ YES ☐ NO | |

Emissions screening factor less than 0.5 (ET or EP < 0.5).

If the response to Question VIII.G.6 is "YES", go to Section VIII.H.

6.

☐ YES ☐ NO



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| Date: 8/1/2012 | | RN No.: RN100218841 Permit No.: O | | 13374 | | | |
|---------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------|--|--|--|
| Area Name: Ka | Area Name: Kaneka MS Polymer Division | | | | | | |
| | | L questions unless otherwise directed. ILY these questions unless otherwise di | rected. | *************************************** | | | |
| VIII. TITLE EMISS (contin | SION STANDARDS FO | AL REGULATIONS PART 63 (40 C OR HAZARDOUS AIR POLLUTAN | FR PART 63) - TS FOR SOUR | NATIONAL CE CATEGORIES | | | |
| | | nission Standards for Gasoline Distri Breakout Stations) <i>(continued)</i> | bution Facilitie | s (Bulk Gasoline | | | |
| 7 | 1.0 (0.5 \leq ET or EF | g factor greater than or equal to 0.5, but $P < 1.0$). Question VIII.G.7 is "YES", go to Section | | ☐ YES ☐ NO ☐N/A | | | |
| 8 | Emissions screenin If the response to Q | g factor greater than or equal to 1.0 (E) Question VIII.G.8 is "YES", go to Quest | For EP \geq 1.0). tion VIII.G.10. | YES NO NO N/A | | | |
| 9 | HAP. | ne application area is located is a major Question VIII.G.9 is "NO", go to Section | | ☐ YES ☐ NO | | | |
| 1 | 0. The application are described in 40 CF | ea is using an alternative leak monitoring R § 63.424(f). | g program as | ☐ YES ☐ NO | | | |
| | H. Subpart S - National Emission Standards for Hazardous Air Pollutants I | | | the Pulp and Paper | | | |
| 1 | paperboard and are as defined in 40 CF | ea includes processes that produce pulp, located at a plant site that is a major so FR § 63.2. Question VIII.H.1 is "NO", go to Section | ource of HAPs | ☐ YES ⊠ NO | | | |
| 2 | § 63.440(a)(1) - (3) | ea uses processes and materials specified). Duestion VIII.H.2 is "NO", go to Section | | ☐ YES ☐ NO | | | |
| 3 | 63, Subpart S that a | ca includes one or more sources subject are existing sources. Question VIII.H.3 is "NO", go to Section | | ☐ YES ☐ NO | | | |
| 4 | The application are existing sources. | ea includes one or more kraft pulping sy | stems that are | ☐ YES ☐ NO | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 39) Federal Operating Permit Program

| Date: 8/1/2012 | | 2 | RN No.: RN100218841 | Permit No.: O | 23374 | | | |
|---------------------------------------|-------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|--|--|--|
| Area Name: Kaneka MS Polymer Division | | | | | | | | |
| | | | ications, answer ALL questions unless otherwise directed. lications, answer ONLY these questions unless otherwise direct | ted. | | | | |
| VIII. | | | | | | | | |
| | | | oart S - National Emission Standards for Hazardous Air Pol stry <i>(continued)</i> | llutants from | the Pulp and Paper | | | |
| | | 5. | The application area includes one or more dissolving-grade ble systems that are existing sources at a kraft or sulfite pulping many transfer or sulfite pulping many | | ☐ YES ☐ NO | | | |
| | | 6. | The application area includes bleaching systems that are exists and are complying with the Voluntary Advanced Technology Program for Effluent Limitation Guidelines in 40 CFR § 430.2 If the response to Question VIII.H.6 is "NO", go to Section VI | Incentives 24. | ☐ YES ☐ NO | | | |
| | 7. The application area includes bleaching systems that are complying 40 CFR § 63.440(d)(3)(i). | | plying with | ☐ YES ☐ NO | | | | |
| | | 8. | The application area includes bleaching systems that are compatible of the compatibl | plying with | ☐ YES ☐ NO | | | |
| I. | Subp | art T | - National Emission Standards for Halogenated Solvent Cle | eaning | | | | |
| | | 1. | The application area includes an individual batch vapor, in-line cold, and/or batch cold solvent cleaning machine that use hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater that weight, as a cleaning and/or drying agent. | es a | ∏ YES ⊠ NO | | | |
| | | 2. | The application area is located at a major source and includes cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride. | solvent | ☐ YES ⊠ NO | | | |
| | | 3. | The application area is located at an area source and includes cleaning machines, other than cold batch cleaning machines, t perchloroethylene, trichloroethylene or methylene chloride. | | ☐ YES ⊠ NO | | | |
| | | | | | | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 40) Federal Operating Permit Program

| Date: 8/1/2012 | | | | RN No.: RN100218841 | | Permit No.: O | 3394 | | |
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| Area Name: Kaneka MS Polymer Division | | | | | | | | | |
| <i>Fa Fa</i> | or SOI | P appli P appl | ications, answer ALI ications, answer ON | . questions unless otherw LY these questions unles | vise directed. ss otherwise direc | ted. | | | |
| VIII. | TANDANA TANDAN | | | | | | | | |
| | J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins | | | | | | | | |
| | | 1. | wastewater streams elastomer product p | a includes elastomer products and wastewater operation process units. Suestion VIII.J.1 is "NO" | ons that are associ | ated with | ☐ YES ⊠ NO | | |
| | | 2. | wastewater operation 40 CFR Part 63, Su | process units and/or wast ons located in the applica bpart U. Question VIII.J.2 is "NO" | ition area are subj | ect to | ☐ YES ☐ NO | | |
| | | 3. | The application are designated as Group as defined in 40 CF | a includes process waste p 1 or are determined to R § 63.482. | water streams tha be Group 1 for or | t are ganic HAPs | ☐ YES ☐ NO | | |
| | | 4. | The application are Group 2 for organic | a includes process waste c HAPs as defined in 40 | water streams that CFR § 63.482. | t are | YES NO | | |
| | | 5. | total source mass fl | vater streams at the site a owrate of less than 1 MC Question VIII.J.5. is "YES | ₃/yr. | | ☐ YES ☐ NO | | |
| | | 6. | streams demonstrat 1 MG/yr. | ed and/or partially treate ed to have a total source Question VIII.J.6. is "NO | mass flowrate of | less than | ☐ YES ☐ NO | | |
| | | 7. | The application are manage a partially treatment. | a includes waste manage treated Group 1 wastewa | ement units that reater stream prior to | eceive or o or during | YES NO | | |



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| Division | | | | | |
| L questions unless otherwise directed. NLY these questions unless otherwise dire | ected. | | | | |
| AL REGULATIONS PART 63 (40 CE OR HAZARDOUS AIR POLLUTANT | FR PART 63) - : S FOR SOURC | NATIONAL CE CATEGORIES | | | |
| mission Standards for Hazardous Air l ontinued) | Pollutant Emiss | sions: Group 1 | | | |
| 8. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | | | | | |
| 9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. If the response to Question VIII.J.8 - VIII.J.9 are both "NO", go to Question VIII.J.11. | | | | | |
| 10. The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | | | | | |
| Containers | | | | | |
| 11. The application area includes containers that receive, management of Group 1 wastewater stream or a residual removed from a Group wastewater stream. | | ☐ YES ☐ NO | | | |
| Drains | | <u></u> | | | |
| 12. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. If the response to Question VIII.J.12. is "NO", go to Question VIII.J.15. | | _ YES □ NO | | | |
| 13. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices. | | | | | |
| CFR § 63.136 through the use of water | I - | YES NO | | | |
| | Division L questions unless otherwise directed. NLY these questions unless otherwise directed. RAL REGULATIONS PART 63 (40 CFOR HAZARDOUS AIR POLLUTANT) mission Standards for Hazardous Air I ontinued) er streams or residual removed from Grous are transferred to an on-site treatment of erated by the owner or operator of the south testream or residual. er streams or residual removed from Grous are transferred to an off-site treatment of ear includes waste management units that wastewater stream or a residual removed er stream prior to shipment or transport. Containers ea includes containers that receive, manager stream or a residual removed from a Grous includes individual drain systems that wastewater stream or a residual removed er stream. Question VIII.J.12. is "NO", go to Question CFR § 63.136 through the use of cover a stream and control devices. ea includes individual drain systems that of CFR § 63.136 through the use of cover and the systems and control devices. ea includes individual drain systems that of CFR § 63.136 through the use of cover and the systems and control devices. | Division L questions unless otherwise directed. NLY these questions unless otherwise directed. RAL REGULATIONS PART 63 (40 CFR PART 63) - OR HAZARDOUS AIR POLLUTANTS FOR SOURCE mission Standards for Hazardous Air Pollutant Emissiontinued) er streams or residual removed from Group 1 s are transferred to an on-site treatment operation that erated by the owner or operator of the source ete stream or residual. er streams or residual removed from Group 1 s are transferred to an off-site treatment operation. Question VIII.J.8 - VIII.J.9 are both "NO", go to ea includes waste management units that receive or wastewater stream or a residual removed from a er stream prior to shipment or transport. Containers ea includes containers that receive, manage, or treat a er stream or a residual removed from a Group 1 Drains ea includes individual drain systems that receive or wastewater stream or a residual removed from a er stream. Question VIII.J.12. is "NO", go to Question VIII.J.15. ea includes individual drain systems that are OCFR § 63.136 through the use of cover and, if it systems and control devices. ea includes individual drain systems that are OCFR § 63.136 through the use of water seals or | | | |



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|---------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--|--|
| Area Name: Kaneka MS Polymer Division | | | | | |
| For ♦ For | · SOP appl · GOP appl | ications, answer ALL questions unless otherwise directed. lications, answer ONLY these questions unless otherwise direc | ted. | | |
| I | TITLE 40 EMISSION (continued) | CODE OF FEDERAL REGULATIONS PART 63 (40 CFF N STANDARDS FOR HAZARDOUS AIR POLLUTANTS) | R PART 63) - NATIONAL FOR SOURCE CATEGORIES | | |
| J | | part U - National Emission Standards for Hazardous Air Pomers and Resins <i>(continued)</i> | ollutant Emissions: Group 1 | | |
| • | | Drains (continued) | | | |
| • | 15. | The application area includes drains, drain hubs, manholes, litterenches, or pipes that are part of an elastomer product process If the response to Question VIII.J.15 is "NO", go to Section V | ss unit. | | |
| | 16. | The application area includes drains, drain hubs, manholes, litrenches or pipes that meet the criteria listed in 40 CFR § 63.1 § 63.501(a)(12). If the response to Question VIII.J.16 is "NO", go to Section V | 149(d) and | | |
| | 17. | The application area includes drains, drain hubs, manholes, litrenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million of compounds meeting the definition of organic HAP in 40 C § 63.482, at any flow rate. | ge n by weight | | |
| | 18. | The application area includes drains, drain hubs, manholes, litrenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million of compounds meeting the definition of organic HAP in 40 C § 63.482, at an annual average flow rate greater than or equal per minute. | ge by weight CFR | | |
| | 19. | The application area includes drains, drain hubs, manholes, litrenches or pipes that are part of an elastomer product process is a new affected source or part of a new affected source and equipment conveys water with a total annual average concent greater than or equal to 10 parts per million by weight of commeeting the definition of organic HAP in 40 CFR § 63.482, a average annual flow rate greater than or equal to 0.02 liter per | s unit that the tration pounds at an | | |



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|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------|--|
| Area Name: | Area Name: Kaneka MS Polymer Division | | | | | |
| For SOI ♦ For GO | P appli P appl | ications, answer ALI lications, answer ON | L questions unless otherwise directed. ILY these questions unless otherwise dire | cted. | | |
| VIII. TITI EMIS | E 40 | CODE OF FEDER N STANDARDS FO | AL REGULATIONS PART 63 (40 CF OR HAZARDOUS AIR POLLUTANT | R PART 63) | - NATIONAL RCE CATEGORIES | |
| K. | Subp Prod | art W - National E uction and Non-ny | mission Standards for Hazardous Air Ion Polyamides Production | Pollutants for | r Epoxy Resins | |
| | 1. | The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. If the response to Question VIII.K.1 is "NO" or "N/A", go to Section VIII.L. | | | | |
| | 2. The application area includes a BLR and/or WSR research and development facility. | | | | | |
| L. | Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting | | | | | |
| | 1. | The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter. If the response to Question VIII.L.1 is "NO" or "N/A", go to Section VIII.M. | | | ☐ YES ⊠ NO ☐ N/A | |
| | 2. | The application are of § 63.545(c)(1)-(| the application area is using and approved alternate to the requirements § 63.545(c)(1)-(5) for control of fugitive dust emission sources. | | ☐ YES ☐ NO | |
| M. | Subp | oart Y - National E | mission Standards for Marine Tank Vo | essel Loading | Operations | |
| | 1. The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561. ☐ YES ☑ NO | | | ☐ YES ⊠ NO | | |
| N. | Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries | | | | | |
| | | | Applicability | | | |
| | 1. The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). If the response to Question VIII.N.1 is "NO", go to Section VIII.O. | | | | | |



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|---------------------------------------|--------------------------------------------------------------------------------------------|-------------------|--|--|--|--|--|--|
| Area Name: Kaneka MS Polymer Division | | | | | | | | |
| | answer ALL questions unless otherwise directions answer ONLY these questions unless otherw | | | | | | | |

TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL VIII. EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum N. Refineries **Applicability** ☐ YES ☐ NO All petroleum refining process units/and or related emission points 2. within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7). If the response to Question VIII.N.2 is "YES", go to Section VIII.O. YES NO 3. The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). If the response to Question VIII.N.3 is "NO", go to Section VIII.O. ☐ YES ☐ NO The application area is located at a plant site which emits or has 4. equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. If the response to Question VIII.N.4 is "NO", go to Section VIII.O. The application area includes Group 1 wastewater streams that are not ☐ YES ☐ NO 5. conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. ☐ YES ☐ NO The application area includes Group 2 wastewater streams that are not 6. conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. ☐ YES ☐ NO 7. The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. If the response to Question VIII.N.7 is "NO", go to Section VIII.O. ☐ YES ☐ NO The application area includes Group 1 or Group 2 wastewater streams 8. that are complying with 40 CFR § 63.640(o)(2)(i).



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| Date: 8/1/2012 RN No.: RN100218841 Pe | | | Permit No.: | O3394 | | |
|---------------------------------------|-----------------|-------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------|
| Area N | ame: | Kanek | a MS Polymer Divis | ion | | |
| lacksquare | or SOI or GO | P appli P appl | ications, answer ALI 'ications, answer ON | L questions unless otherwise directed. ILY these questions unless otherwise dire | ected. | 35 |
| VIII. | TITI EMI | .E.40 (| CODE OF FEDER N STANDARDS FO | AL REGULATIONS PART 63 (40 CE OR HAZARDOUS AIR POLLUTANT | FR PART 63 |) - NATIONAL RCE CATEGORIES |
| | N. | | oart CC - National I neries <i>(continued)</i> | Emission Standards for Hazardous Air | r Pollutants 1 | from Petroleum |
| | | 9. | that are complying | a includes Group 1 or Group 2 wastewat with 40 CFR § 63.640(o)(2)(ii). Question VIII.N.9 is "NO", go to Section | | ☐ YES ☐ NO |
| | | 10. | streams whose benz | a includes Group 2 wastewater streams of zene emissions are subject to control through treatment processes or waste managements of 40 CFR Part 61, Subpart FF on or a 2. | ☐ YES ☐ NO | |
| | | | Сог | ntainers, Drains, and other Appurtena | ınces | |
| | | 11. | The application are requirements of 40 § 63.640(o)(2)(ii). | ta includes containers that are subject to CFR § 63.135 as a result of complying v | the with 40 CFR | ☐ YES ☐ NO |
| | | 12. | The application are to the requirements 40 CFR § 63.640(o | a includes individual drain systems that are subject of 40 CFR § 63.136 as a result of complying with (2)(ii). | | ☐ YES ☐ NO |
| | 0. | Subp | oart DD - National 3 | Emission Standards for Off-site Waste | and Recove | ry Operations |
| | | 1. | meets the criteria for § 63.680(b)(1). | ea is located at a plant site receiving mate or off-site material as specified in 40 CF. Question VIII.O.1 is "NO" or "N/A", go | R | ☐ YES ⊠ NO ☐ N/A |
| | | 2. | Materials specified application area. | l in 40 CFR § 63.680(b)(2) are received a | at the | ☐ YES ☐ NO |



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| Date: 8/1/2012 | | | RN No.: RN100218841 | Permit No.: | : O3394 |
|---------------------------------------|-------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------|
| Area Name: Kaneka MS Polymer Division | | | | | |
| For SO. For GO | P appli P appl | ications, answer ALL 'ications, answer ON | L questions unless otherwis LY these questions unless | se directed. otherwise directed. | · |
| VIII. TITI EMI | LE 40 | CODE OF FEDERA N STANDARDS FO | AL REGULATIONS PA | ART 63 (40 CFR PART 63 POLLUTANTS FOR SOU |) - NATIONAL IRCE CATEGORIES |
| 0. | Subp | art DD - National E | mission Standards for C | Off-site Waste and Recove | ry Operations |
| | 3. | The application are off-site material and | a has a waste management d is regulated under 40 CF | t operation receiving R Part 264 or Part 265. | ☐ YES ☐ NO |
| | 4. | The application area wastewater which is §§ 264.1(g)(6) or 26 | | t operation treating s exempted under 40 CFR | ☐ YES ☐ NO |
| | 5. | | a has an operation subject ut is not owned by a "state | | ☐ YES ☐ NO |
| | 6. | The predominant ac wastewater received | ctivity in the application ar | rea is the treatment of | YES NO |
| | 7. | reprocesses hazardo | a has a recovery operation ous waste which is an off-s CFR §§ 264.1(g)(2) or 26 | site material and is | ☐ YES ☐ NO |
| | 8. | reprocesses used so a chemical, petroleu | a has a recovery operation of the street which is an off-site rum, or other manufacturing controls by another subparts | material and is not part of g process that is required | YES NO |
| | 9. | reprocesses used oil | a has a recovery operation l which is an off-site mate subpart F (Standards for Us | erial and is regulated under | ☐ YES ☐ NO |
| | 10. | of HAPs in the off-s | a is located at a site where site material is less than 1 Question VIII.O.10 is "YES | megagram per year. | ☐ YES ☐ NO |



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| Area N | Area Name: Kaneka MS Polymer Division | | | | | | | | |
| Fe Fe | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | |
| VIII. | TO SEE THE SECOND PARTICIPANT OF THE SECOND | | | | | | | | |
| | O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations | | | | | | | | |
| | | 11. | concentration less t combined with mat 500 ppmw or great | than 500 ppmw at the pot terials having a VOHAP | | ☐ YES ☐ NO | | | |
| | | 12. | VOHAP concentra | tion is determined by dir | rect measurement. | ☐ YES ☐ NO | | | |
| | | 13. | VOHAP concentra | tion is based on knowled | dge of the offsite material. | ☐ YES ☐ NO | | | |
| · | | 14. | compressor, and ag system, open-ender system. | gitator, pressure relief de | t component that is a pump, evice, sampling connection onnector or instrumentation | ☐ YES ☐ NO | | | |
| | | 15. | An equipment com off-site material wi 10% by weight. | ponent in the application ith a HAP concentration | n area contains or contacts greater than or equal to | ☐ YES ☐ NO | | | |
| | | 16. | An equipment com 300 hours or more | nponent in the application during a 12-month perio | n area is intended to operate od. | ☐ YES ☐ NO | | | |
| | | 17. | The application are site material. | ea includes containers the | at manage non-exempt off- | ☐ YES ☐ NO | | | |
| | | 18. | The application are non-exempt off-sit | | ain systems that manage | YES NO | | | |



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|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------|--|--|
| Area Name: Kaneka MS Polymer Division | | | | | | | | |
| | | | | L questions unless otherwis VLY these questions unless o | | | | |
| | EMI | LE 40 SSIOI tinued, | N STANDARDS FO | AL REGULATIONS PAI OR HAZARDOUS AIR PO | RT 63 (40 CFR PART OLLUTANTS FOR SO | 63) - NATIONAL DURCE CATEGORIES | | |
| | P. Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities | | | | | | | |
| | | 1. | commercial, civil, | ea includes facilities that ma or military aerospace vehicl Question VIII.P.1 is "NO" o | es or components. | ☐ YES ⊠ NO ☐ N/A | | |
| | | 2. | | ea includes one or more of t R § 63.741(c)(1) - (7). | he affected sources | YES NO | | |
| | Q. | Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities. | | | | | | |
| * | . | 1. | National Emission and Natural Gas Pa | ea is subject to 40 CFR Part Standards for Hazardous A roduction Facilities. ions, go to Section VIII.Y | 63, Subpart HH - ir Pollutants from Oil | ☐ YES ⊠ NO | | |
| R. Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Su | | | | | pair (Surface Coating) | | | |
| | | 1. | The application are If the response to § | ea includes shipbuilding or s Question VIII.R.1 is "NO", | ship repair operations. go to Section VIII.S. | ☐ YES ⊠ NO | | |
| | | 2. | | ip repair operations located FR Part 63, Subpart II. | in the application area | ☐ YES ☐ NO | | |
| | S. | Subj | part JJ - National I | Emission Standards for We | ood Furniture Manufa | cturing Operations | | |
| | | 1. | operations and/or operations. | ea includes wood furniture rewood furniture rewood furniture component requestion VIII.S.1 is "NO" of | nanufacturing | ☐ YES ⊠ NO ☐ N/A | | |
| | | 2. | | ea meets the definition of ar defined in 40 CFR § 63.801. | | ☐ YES ☐ NO | | |
| | т. | Subj | part KK - National | Emission Standards for the | ne Printing and Publisl | ning Industry | | |
| | | 1. | The application ar packaging rotogra | ea includes publication roto vure, or wide-web flexograp | gravure, product and phic printing presses. | ☐ YES ⊠ NO ☐N/A | | |



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| Date: 8 | /1/201 | .2 | RN No.: RN100218841 P | ermit No.: | U3394 | | | | | |
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| Area N | Area Name: Kaneka MS Polymer Division | | | | | | | | | |
| | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | | |
| VIII. | III. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | | |
| | U. | U. Subpart PP - National Emission Standards for Containers | | | | | | | | |
| | | 1. | The application area includes containers for which another 40 Part 60, 61, or 63 subpart references the use of 40 CFR Part 63 Subpart PP for the control of air emissions. If the response to Question VIII. U.1 is "NO", go to Section VI | 3, | ☐ YES ⊠ NO | | | | | |
| | | 2. | The application area includes containers using Container Leve controls. | 11 | YES NO | | | | | |
| | | 3. | The application area includes containers using Container Leve controls. | 12 | ☐ YES ☐ NO | | | | | |
| | | 4. | The application area includes containers using Container Leve controls. | 13 | ☐ YES ☐ NO | | | | | |
| | v. | Subp | oart RR - National Emission Standards for Individual Drain | Systems | | | | | | |
| | | 1. | The application area includes individual drain systems for whi another 40 CFR Part 60, 61, or 63 subpart references the use o CFR Part 63, Subpart RR for the control of air emissions. | ich of 40 | ☐ YES ⊠ NO | | | | | |
| | W. | Subp Gene | oart YY - National Emission Standards for Hazardous Air P eric Maximum Achievable Control Technology Standards | Pollutants | for Source Categories - | | | | | |
| | | 1. | The application area includes an acetal resins production process an acrylic and modacrylic fiber production process unit complewith 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process | ess unit; ying | ☐ YES ⊠ NO | | | | | |
| | | 2. | The application area includes process wastewater streams generation an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 C § 63.1103(b)(3)(i); or an existing polycarbonate production process to Questions VIII.W.1. and VIII.W.2. are both go to Question VIII.W.20 | CFR ocess. | ☐ YES ⊠ NO | | | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 50) Federal Operating Permit Program

| Date: 8/1/2012 | | 2 | RN No.: RN100218841 | Io.: RN100218841 Permit No.: O33 | | | | | |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------|--|--|--|--|
| Area Name: Kaneka MS Polymer Division | | | | | | | | | |
| | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | |
| VIII. | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | | | |
| | | 3. | The application area includes process wastewater streams that designated as Group 1 or are determined to be Group 1 under requirements of 40 CFR § 63.132(c). | | YES NO | | | | |
| | | 4. | The application area includes process wastewater streams that determined to be Group 2 under the requirements of 40 CFR § 63.132(c). | are | ☐ YES ☐ NO | | | | |
| | | 5. | All Group 1 wastewater streams at the site are determined to be total source mass flow rate of less than 1 MG/yr. | nave a | ☐ YES ☐ NO | | | | |
| | | 6. | The site has untreated and/or partially treated Group 1 wastew streams demonstrated to have a total source mass flowrate of 1 MG/yr. If the response to Question VIII.W.6. is "NO", go to Question VIII.W.8. | less than | ☐ YES ☐ NO | | | | |
| | | 7. | The application area includes waste management units that recommanage a partially treated Group 1 wastewater stream prior to during treatment. | ceive or or | ☐ YES ☐ NO | | | | |
| | | 8. | Group 1 wastewater streams or residual removed from Group wastewater streams are transferred to an on-site treatment ope that is not owned or operated by the owner or operator of the segenerating the waste stream or residual. | ration | ☐ YES ☐ NO | | | | |
| | | 9. | Group 1 wastewater streams or residual removed from Group wastewater streams are transferred to an off-site treatment ope If the response to Question VIII.W.8. and W.9. are both "NO' Question VIII.W.11. | eration. | ☐ YES ☐ NO | | | | |
| | | 10. | The application area includes waste management units that remanage a Group 1 wastewater stream or a residual removed figroup 1 wastewater stream prior to shipment or transport. | ceive or rom a | ☐ YES ☐ NO | | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 51) Federal Operating Permit Program

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|---------------------------------------|---------------------|-------------------|--|--|--|--|
| Area Name: Kaneka MS Polymer Division | | | | | | |

For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL VIII. EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories -Generic Maximum Achievable Control Technology Standards The application area includes containers that receive, manage, or treat ☐ YES ☐ NO a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. The application area includes individual drain systems that receive, ☐ YES ☐ NO 12. manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. If the response to Question VIII.W.12. is "NO", go to Question VIII.W.15. The application area includes individual drain systems that are ☐ YES ☐ NO 13. complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices. ☐ YES ☐ NO The application area includes individual drain systems that are 14. complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. ☐ YES ☐ NO The application area includes drains, drain hubs, manholes, lift 15. stations, trenches, or pipes that are part of an acetal resins production process unit: an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. If the response to Question VIII.W.15. is "NO", go to Question VIII.W.20. ☐ YES ☐ NO The application area includes drains, drain hubs, manholes, lift 16. stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). If the response to Question VIII.W.16. is "NO", go to Question VIII.W.20. ☐ YES ☐ NO The application area includes drains, drain hubs, manholes, lift 17. stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.



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|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------|--|--|--|
| Area N | Area Name: Kaneka MS Polymer Division | | | | | | | | | |
| <i>Fa</i> ♦ <i>Fa</i> | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | | |
| VIII. | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | | |
| | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | | | | |
| | | 18. | stations, trenches of average concentration by weight of composition Table 9 to 40 CFR | ea includes drains, dra r pipes that convey w ion greater than or eq ounds meeting the de Part 60, Subpart G, a al to 10 liters per min | vater with a total ann ual to 1,000 parts pe finition of organic F t an annual average | nual er million HAP in | ☐ YES ☐ NO | | | |
| | | 19. | stations, trenches of and modacrylic fiberaffected source or it water with a total at to 10 ppmw of come Table 9 to 40 CFR | ea includes drains, dra or pipes that are part of er production process is a new affected sour annual average concer- apounds meeting the of Part 60, Subpart G, and al to 0.02 liter per min | of an acetyl resins or s unit that is part of a ree and the equipment ntration greater than definition of organic at an average annual | acrylic a new nt conveys or equal c HAP in | ☐ YES ☐ NO | | | |
| | | 20. | The application are | ea includes an ethylen | ne production proces | s unit. | ☐ YES ☒ NO ☐N/A | | | |
| | | 21. | ethylene production | Questions VIII.W.20. a | | | ☐ YES ⊠ NO ☐N/A | | | |
| | | 22. | CFR § 63.1103(e), | s) contains at least one Table 7(g)(1). Question VIII.W.22. is | | | ☐ YES ☐ NO | | | |
| | | 23. | Waste stream(s) are If the response to Q VIII.W.25. | e transferred off-site t Question VIII.W.23. is | for treatment. "NO," go to Quest | tion | ☐ YES ☐ NO | | | |



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|-----------------------------------------------------------------------|---------------------|-------------------|--|--|--|--|--|--|
| Area Name: Kaneka MS Polymer Division | | | | | | | | |
| For SOP applications, answer ALL questions unless otherwise directed. | | | | | | | | |

| lack F | For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--|--|--|--|
| VIII. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | W. | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | | |
| | | 24. | The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. If the response to Question VIII.W.24. is "YES," go to Question VIII.W.54 | ☐ YES ☐ NO | | | | | |
| | | 25. | The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a). | YES NO | | | | | |
| | | 26. | The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). If the response to Question VIII.W.26. is "NO," go to Question VIII.W.43. | ☐ YES ☐ NO | | | | | |
| | | 27. | The waste stream(s) contains at least 10 ppmw 1,3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. If the response to Question VIII.W.27. is "NO," go to Question VIII.W.43. | ☐ YES ☐ NO | | | | | |
| | . 11 | 28. | The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). If the response to Question VIII.W.28. is "NO," go to Question VIII.W.33 | ☐ YES ☐ NO | | | | | |
| | • | 29. | The application area includes containers that receive, manage, or treat a continuous butadiene waste stream. | ☐ YES ☐ NO | | | | | |
| | | 30. | The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. If the response to Question VIII.W.30. is "NO", go to Question VIII.W.43. | ☐ YES ☐ NO | | | | | |
| | | 31. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices. | YES NO | | | | | |



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|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------|------------------|------------|--|--|
| Area Name: Kaneka MS Polymer Division | | | | | | | | | |
| <i>Fa Fa</i> | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | |
| VIII. | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | | | |
| | | 32. | complying with 40 tightly fitting caps of | a includes individual d CFR § 63.136 through or plugs. estion VIII.W.32. is req | the use of water so | eals or | ☐ YES ☐ NO | | |
| | | 33. | that receive a contin | a has containers, as de nuous butadiene waste Question VIII.W.33. is | stream. | | ☐ YES ☐ NO | | |
| | | 34. | 40 CFR § 61.345 re | a is an alternate means equirements for contain Question VIII.W.34 is " | ners. | | ☐ YES ☐ NO | | |
| | | 35. | Covers and closed- the container is mai pressure. | vent systems used for intained at a pressure l | containers operate ess than atmospher | such that ric | ☐ YES ☐ NO | | |
| | | 36. | CFR § 61.341, that stream. | ea has individual drain receive or manage a co | ontinuous butadier | ne waste | ☐ YES ☐ NO | | |
| | | 37. | meet the 40 CFR § | ea is using an alternate 61.346 requirements for Question VIII.W.37 is | for individual drain | systems. | ☐ YES ☐ NO | | |
| | | 38. | CFR § 61.346(a). | ea has individual drain Question VIII.W.38 is ' | | | ☐ YES ☐ NO | | |



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| Area Name: Kaneka MS Polymer Division | | | | | | | | |
| For SOP app. For GOP app | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | |
| EMISSIO | TO A CONTRACT OF THE CONTRACT | | | | | | | |
| W. Sub Gen | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | | |
| 39. | operate such that th | vent systems used for individua e individual drain system is ma tmospheric pressure. | al drain systems vintained at a | ☐ YES ☐ NO | | | | |
| 40. | CFR § 61.346(b). | a has individual drain systems of the last | | ☐ YES ☐ NO | | | | |
| 41. | system to prevent the | he individual drain systems are he flow of organic vapors from nosphere during normal operation | the junction box | ☐ YES ☐ NO | | | | |
| 42. | | oipes in the individual drain sys | tems are connected | ☐ YES ☐ NO | | | | |
| 43. | benzene. | ea has at least one waste stream Question VIII.W.43 is "NO", go | | ☐ YES ☐ NO | | | | |
| 44. | that receive a waste | ea has containers, as defined in a stream containing benzene. Question VIII.W.44. is "NO", go | | ☐ YES ☐ NO | | | | |
| 45. | 40 CFR § 61.345 re | ea is an alternate means of compequirements for containers. Question VIII.W.45 is "YES", go | | ☐ YES ☐ NO | | | | |
| 46. | Covers and closed- the container is ma pressure. | vent systems used for container intained at a pressure less than | rs operate such that atmospheric | ☐ YES ☐ NO | | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 56) Federal Operating Permit Program

| Date: 8 | te: 8/1/2012 RN No.: RN100218841 Permit No.: O3394 | | .: O3394 | | | | | | |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------|--------------------------------------------------------------------------------|----------------------|-------------------|------------|--|--|
| Area Name: Kaneka MS Polymer Division | | | | | | | | | |
| igoplus Fe | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed | | | | | | | | |
| VIII. | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | | | |
| | | 47. | CFR § 61.341, that benzene. | ea has individual drain receive or manage a v | waste stream contai | ining | ☐ YES ☐ NO | | |
| | | 48. | meet the 40 CFR § | ea is using an alternate 61.346 requirements Question VIII.W.48 is | for individual drain | ı systems. | ☐ YES ☐ NO | | |
| | | 49. | CFR § 61.346(a). | ea has individual drain | | | ☐ YES ☐ NO | | |
| | | 50. | operate such that the | vent systems used for the individual drain systems atmospheric pressure. | stem is maintained a | /stems at a | ☐ YES ☐ NO | | |
| | | 51. | CFR § 61.346(b). | ea has individual drain | | | ☐ YES ☐ NO | | |
| | | 52. | system to prevent t | the individual drain sy the flow of organic va nosphere during norm | pors from the juncti | with a ion box | ☐ YES ☐ NO | | |
| | | 53. | | pipes in the individual stem and control devi | | connected | YES NO | | |
| | | 54. | process. | ea contains a cyanide of Question VIII.W.54is | | | ☐ YES ⊠ NO | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 57) Federal Operating Permit Program

| Date: 8/1/2012 | | RN No.: RN1002 | 18841 Permit l | No.: O3394 | | | | | |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------|--|--|--|--|
| Area N | Area Name: Kaneka MS Polymer Division | | | | | | | | |
| <i>F F F</i> | or SO. | P appi P app | ications, answer ALL questions unless o lications, answer ONLY these questions | otherwise directed. unless otherwise directed. | | | | | |
| VIII. | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | | | |
| | | 55. | The cyanide chemicals manufacturing wastewater containing hydrogen cyani | | YES NO | | | | |
| | X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued) | | | | | | | | |
| | | 1. | The application area includes thermopy and/or their associated affected sources § 63.1310(a)(1) - (5), that are subject to If the response to Question VIII.X.1. is | s specified in 40 CFR o 40 CFR Part 63, Subpart JJJ | ☐ YES ⊠ NO | | | | |
| | | 2. | The application area includes thermopand/or wastewater streams and wastewassociated with thermoplastic product If the response to Question VIII.X.2 is | vater operations that are process units. | ☐ YES ☐ NO | | | | |
| | | 3. | All process wastewater streams general application area are from sources product of the response to Question VIII.X.3. is | ucing polystyrene. | ☐ YES ☐ NO | | | | |
| | | 4. | All process wastewater streams general application area are from sources product of the response to Question VIII.X.4. is | lucing ASA/AMSAN. | ☐ YES ☐ NO | | | | |
| | | 5. | The application area includes process designated as Group 1 or are determine HAPs as defined in 40 CFR § 63.1312 | ed to be Group 1 for organic | ☐ YES ☐ NO | | | | |
| | | 6. | The application area includes process existing sources, that are Group 2 for 640 CFR § 63.1312. | wastewater streams, located at organic HAPs as defined in | ☐ YES ☐ NO | | | | |
| | | 7. | The application area includes process new sources, that are Group 2 for orga § 63.1312. | wastewater streams, located at mic HAPs as defined in 40 CF | YES NO | | | | |



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| Date: 8/1/2012 RN No.: RN100218841 Permit No.: O3394 | | | O3394 | | | | | |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|--|--|--|
| Area Name: K | Area Name: Kaneka MS Polymer Division | | | | | | | |
| For SOP ♦ For GOF | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | |
| EMIS | TARREST OF THE CO. MARIONAT | | | | | | | |
| | X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued) | | | | | | | |
| | 8. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flowrate of less than 1 MG/yr. If the response to Question VIII.X.8. is "YES", go to Question VIII.X.18. | | | ☐ YES ☐ NO | | | | |
| | 9. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flowrate of less than 1 MG/yr. If the response to Question VIII.X.9. is "NO", go to Question VIII.X.11. | | | ☐ YES ☐ NO | | | | |
| | 10. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | | | eceive or to or | ☐ YES ☐ NO | | | |
| | 11. | wastewater streams that is not owned o | er streams or residual removed from Grous are transferred to an on-site treatment of operated by the owner or operator of the estream or residual. | peration | ☐ YES ☐ NO | | | |
| | 12. | wastewater streams | or streams or residual removed from Grous are transferred to an off-site treatment of Question VIII.X.11 VIII.X.12. are both ' | peration. | ☐ YES ☐ NO | | | |
| | 13. The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | | | ☐ YES ☐ NO | | | | |
| | | | Containers | | | | | |
| | 14. | | ea includes containers that receive, manager stream or a residual removed from a Gr | | YES NO | | | |



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| Date: 8/1/2012 | | | | RN No.: RN100218841 | Permit No.: | O3394 | | | |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------|--|--|--|
| Area N | lame: | Kanel | a MS Polymer Divis | ion | | | | | |
| | | | | , questions unless otherwise directed. LY these questions unless otherwise d | irected. | | | | |
| VIII. | III. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | Х. | | part JJJ - National I mers and Resins <i>(co</i> | Emission Standards for Hazardous Antinued) | Air Pollutant F | missions: Group IV | | | |
| | | | | Drains (continued) | | | | | |
| | | 15. | manage a Group 1 v Group 1 wastewater | a includes individual drain systems that wastewater stream or a residual remover stream. Suestion VIII.X.15. is "NO", go to Que | red from a | ☐ YES ☐ NO | | | |
| | | 16. | complying with 40 | a includes individual drain systems that CFR § 63.136 through the use of cover systems and control devices. | | YES NO | | | |
| *** | | 17. | | a includes individual drain systems that CFR § 63.136 through the use of water plugs. | | YES NO | | | |
| | | 18. | trenches, or pipes th | a includes drains, drain hubs, manhole nat are part of an thermoplastic produc Question VIII.X.18. is "NO", go to Sec. | et process unit. | ☐ YES ☐ NO | | | |
| | | 19. | trenches or pipes th § 63.1330(b)(12). | a includes drains, drain hubs, manhole at meet the criteria listed in 40 CFR § Question VIII.X.19. is "NO", go to Sec. | 63.149(d) and | ☐ YES ☐ NO | | | |
| | | 20. | trenches, or pipes the concentration great | a includes drains, drain hubs, manhole nat convey water with a total annual ar er than or equal to 10,000 parts per mi ds meeting the definition of organic H at any flow rate. | verage illion by | ☐ YES ☐ NO | | | |
| | | 21. | trenches or pipes the concentration great of compounds meet | a includes drains, drain hubs, manhole at convey water with a total annual aver than or equal to 1,000 parts per militing the definition of organic HAP in a nual average flow rate greater than or | verage lion by weight 40 CFR | ☐ YES ☐ NO | | | |



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| Date: 8/ | Date: 8/1/2012 RN No.: RN100218841 Permit No.: O3394 | | | Permit No.: | O3394 | | | | |
|--------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------|--|--|--|--|
| Area Na | ame:) | Kaneka MS Polymer Divis | sion | | | | | | |
| <i>Fa Fa</i> | or SOI or GO | P applications, answer ALI P applications, answer ON | L questions unless otherwise directed. VLY these questions unless otherwise dire | cted. | | | | | |
| VIII. | TARREST OF CO. CARD DANGE CO. MARKONAI | | | | | | | | |
| | X. | Subpart JJJ - National I Polymers and Resins (co | Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued) | | | | | | |
| | | | Drains (continued) | | | | | | |
| | | trenches or pipes the that is a new affect equipment conveys greater than or equipmeting the definit | ea includes drains, drain hubs, manholes, nat are part of an thermoplastic product product of source or part of a new affected source is water with a total annual average concertal to 10 parts per million by weight of concion of organic HAP in 40 CFR § 63.1312 we rate greater than or equal to 0.02 liter p | rocess unit e and the ntration mpounds 2, at an | ☐ YES ☐ NO | | | | |
| | Υ. | Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units. | | | | | | | |
| | | Subpart UUU - Na Pollutants for Petro | ea is subject to 40 CFR Part 63, tional Emission Standards for Hazardous oleum Refineries: Catalytic Cracking Un g Units, and Sulfur Recovery Units. | ; Air its, | ☐ YES ⊠ NO | | | | |
| | Z. | Subpart AAAA - Nation Waste (MSW) Landfills | nal Emission Standards for Hazardous s. | Air Polluta | nts for Municipal Solid | | | | |
| * | | Subpart AAAA - N | ea is subject to 40 CFR Part 63, National Emission Standards for Hazardo nicipal Solid Waste Landfills. | us Air | ☐ YES ⊠ NO | | | | |
| | AA. | Subpart FFFF - Nation Organic Chemical Prod | Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) | | | | | | |
| | | 1. The application are manufacture as a p in 40 CFR § 63.24 | ea is located at a site that includes process orimary product one or more of the chemi 35(b)(1). | s units that cals listed | ⊠ YES □ NO | | | | |
| | | 2. The application are defined in FCAA § | ea is located at a plant site that is a major § 112(a). | source as | ⊠ YES □ NO | | | | |



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| Date: 8/1/201 | 12 | | RN No.: RN100218 | 841 | Permit No.: O3394 | | | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|----------------------------------|--|--|
| Area Name: | Kanek | a MS Polymer Divis | ion | | | | | |
| For SO. ♦ For GO | P appl P app | ications, answer ALI lications, answer ON | L questions unless oth ILY these questions un | erwise directed. ıless otherwise dire | cted. | | | |
| EMI | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | |
| AA. | AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) | | | | | | | |
| | 3. | chemical manufactor generate one or mos § 112(b) of the Clea | a is located at a site the tring process units (More of the organic hazar an Air Act or hydroge Question VIII.AA.1, AA | ICPU) that process, rdous air pollutants in halide and haloge | , use or listed in en HAP. | ⊠ YES □ NO | | |
| | 4. | racks, or waste stre | a includes process ver ams associated with a cess subject to 40 CFR Question VIII.AA.4 is ' | miscellaneous che c 63, Subpart FFFF | mical | ⊠ YES □ NO | | |
| | 5. | The application are If the response to Q VIII.AA.17. | a includes process wa Question VIII.AA.5 is ' | stewater streams. "NO", go to Questi | on | ⊠ YES □ NO | | |
| | 6. | designated as Grou | ea includes process wa p 1 or are determined Table 8 and Table 9, | to be Group 1 for o | compounds | ☐ YES ⊠ NO | | |
| | 7. | total source mass fl | water streams at the sillowrate of less than 1 Question VIII.AA.7. is | MG/yr. | | ⊠ YES □ NO No Group 1 WW Streams | | |
| | 8. | streams demonstrat | ted and/or partially tre ted to have a total sour Question VIII.AA.8. is | rce mass flowrate o | of less than | ☐ YES ☐ NO | | |
| | 9. | The application are manage a partially during treatment. | ea includes waste man treated Group 1 waste | agement units that ewater stream prior | receive or to or | ☐ YES ☐ NO | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 62) Federal Operating Permit Program

| | | | **** | *************************************** | | | | | |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------|------------|--|--|
| Date: 8/1/2012 | | | | RN No.: RN100218841 | Po | ermit No.: | O3394 | | |
| Area N | lame: | Kanek | a MS Polymer Divis | ion | | | | | |
| lack F | or SOF or GO | P appli P appl | ications, answer ALI lications, answer ON | L questions unless otherwis LY these questions unless o | e directed. otherwise directe | ed. | | | |
| VIII. | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) | | | | | | | | |
| | | 10. | wastewater streams that is not owned or | r streams or residual remover are transferred to an on-site operated by the owner or the stream or residual. | e treatment oper | ation | ☐ YES ☐ NO | | |
| | | 11. | wastewater streams | r streams or residual removes are transferred to an off-singuestion VIII.AA.10. and VI ion VIII.AA.13. | te treatment ope | ration. | ☐ YES ☐ NO | | |
| | | 12. | manage a Group 1 | a includes waste manageme wastewater stream or a resi r stream prior to shipment o | dual removed fro | eive or om a | ☐ YES ☐ NO | | |
| | | 13. | The application are Group 1 wastewate wastewater stream. | a includes containers that rerestrations a residual remo | eceive, manage, ved from a Grou | or treat a p 1 | ☐ YES ☐ NO | | |
| | | 14. | manage a Group 1 Group 1 wastewate | ra includes individual drain wastewater stream or a resign stream. Question VIII.AA.14. is "NO | dual removed fro | om a | ☐ YES ☐ NO | | |
| | | 15. | complying with 40 | a includes individual drain CFR § 63.136 through the systems and control device | use of covers an | d, if | ☐ YES ☐ NO | | |
| | | 16. | The application are complying with 40 | a includes individual drain CFR § 63.136 through the | systems that are use of water sea | ls or | YES NO | | |

The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process

If the response to Question VIII.AA.17. is "NO", go to Section VIII.BB.

unit that meets the criteria of 40 CFR § 63.100(b).

tightly fitting caps or plugs.

☐ YES ☐ NO



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| Date: 8/1/2012 | | | | RN No.: RN10021 | 8841 | Permit No.: | ermit No.: O3394 | | |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------|--|--|
| Area N | ame: | Kanek | a MS Polymer Divi | sion | | | | | |
| | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | |
| VIII. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | AA. | AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) | | | | | | | |
| | | 18. | trenches or pipes (t manufacturing pro- § 63.149(d). | ea includes drains, dra that are part of a miso cess unit) that meet the Question VIII.AA.18 i | cellaneous chemical ne criteria listed in 40 | O CFR | ☐ YES ☐ NO | | |
| | | 19. | trenches or pipes the concentration of co FFFF is greater that total annual load of | ea includes drains, dra nat convey water with ompounds in table 8 cm or equal to 10,000 f compounds in table on or equal to 200 lb/ | n a total annual avera of 40 CFR Part 63, S ppmw at any flowrat 8 of 40 CFR Part 63 | nge ubpart te, and the | ☐ YES ☐ NO | | |
| | | 20. | trenches or pipes the concentration of conference of the FFFF is greater that | ea includes drains, dr nat convey water with ompounds in table 8 on or equal to 1,000 p than or equal to 1 lite | n a total annual avera of 40 CFR Part 63, S pmw, and the annua | ige ubpart | ☐ YES ☐ NO | | |
| | | 21. | trenches or pipes that is subject to the and the equipment concentration of consultations. Subpart FFFF is grant combined total and | ea includes drains, drat are part of a cheme new source require conveys water with a compounds in tables 8 reater than or equal to a table or equal to 1 to 2 to 2. | nical manufacturing parents of 40 CFR § 6 a combined total annuand 9 of 40 CFR Parents 30,000 ppmw, and do in tables 8 and 9 to | process unit 53.2445(a); ual average rt 63, the | ☐ YES ☐ NO | | |
| | BB. | | | nal Emission Stand ble Oil Production. | ards for Hazardous | s Air Polluta | nts for: Solvent | | |
| | | 1. | by itself a major so | ea includes a vegetab ource of HAP emission or sources that are inc AP emissions. | ons or, is collocated v | within a | ☐ YES ⊠ NO | | |



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| Date: 8/1/2012 | | | | RN No.: RN100218841 | Permit No.: | Permit No.: O3394 | | | |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------|--|--|--|
| Area N | ame: K | anek | a MS Polymer Divis | ion | | | | | |
| <i>Fa</i> ♦ <i>Fa</i> | or SOP or GOP | appli appl | ications, answer ALI lications, answer ON | L questions unless otherwise directed. ILY these questions unless otherwise d | irected. | | | | |
| VIII. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation | | | | | | | | |
| | 1 | l. | conducted. | a includes a facility at which a site renestion .CC.1. is "NO", go to Section V | | ☐ YES ☐ NO | | | |
| | 2 | 2. | CFR § 63.7881(b)(1 | as qualify for one of the exemptions coal) through (6). Sestion .CC.2. is "YES", go to Section | | ☐ YES ☐ NO | | | |
| | : | 3. | total quantity of HA | site remediation activities it was determ AP listed in Table 1 of Subpart GGGG site remediations will be less than 1 M | G that will be | YES NO | | | |
| | ۷ | 4. | The site remediation days. | n will be completed within 30 consecu | itive calendar | ☐ YES ☐ NO | | | |
| | | 5. | materials subject to | a includes containers that manage site 40 CFR Part 63, Subpart GGGGG. Question VIII.CC.5 is "NO", go to Section 14 of the Section 15 of the Section 16 of th | | ☐ YES ☐ NO | | | |
| | (| 6. | | ta includes containers using Container d in 40 CFR § 63.922(b). | Level 1 | YES NO | | | |
| | | 7. | The application are 0.46 m ³ that meet the (ii). | a includes containers with a capacity ghe requirements of 40 CFR § 63.7900(| greater than (b)(3)(i) and | YES NO | | | |
| | 1 | 8. | The application are controls as specifie | ea includes containers using Container d in 40 CFR § 63.923(b). | Level 2 | ☐ YES ☐ NO | | | |
| | ! | 9. | | ea includes containers using Container ed in 40 CFR § 63.924(b). | Level 3 | YES NO | | | |
| | DD. | Subp Cate | oart BBBBBB - Nat gories: Gasoline D | ional Emission Standards for Hazar istribution Bulk Terminals, Bulk Pl | dous Air Pollu ants and Pipel | itants for Source ine Facilities | | | |
| | | 1. | hazardous air pollu | a is located at a site that is an area sou tants. uestion DD.1. is "NO", go to Section V | | ☐ YES ⊠ NO | | | |



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| Dat | e: 8/1/201 | .2 | RN | No.: RN100218841 | Permit No.: | O3394 |
|----------|------------|-----------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------|
| Are | a Name: | Kanel | a MS Polymer Division | | | |
| ♦ | | | | estions unless otherwise direct these questions unless otherwi | | |
| VII | EMI | LE 40 SSIOI inued | N STANDARDS FOR I | REGULATIONS PART 63 (HAZARDOUS AIR POLLU | (40 CFR PART 63 FANTS FOR SOU |) - NATIONAL RCE CATEGORIES |
| | DD. | tants for Source ne Facilities | | | | |
| | | 2. | The application area inc 40 CFR Part 63, Subpar Subpart R. | cludes a pipeline breakout stat rt BBBBBB, not subject to 40 | ion, as defined in CFR Part 63, | ☐ YES ☐ NO |
| | | 3. | The application area inc 40 CFR Part 63, Subpar | cludes a pipeline pumping stat rt BBBBBB. | ion as defined in | YES NO |
| | | 4. | CFR Part 63, Subpart B | cludes a bulk gasoline plant as BBBBB. on VIII.DD.4. is "NO", go to (| | ☐ YES ☐ NO |
| | | 5. | compliance with an enf | t was operating, prior to Janua forceable State, local or tribal as specified in 40 CFR § 63.1 | rule or permit that | ☐ YES ☐ NO |
| | | 6. | 40 CFR Part 63, Subpar Subpart R or Subpart C | cludes a bulk gasoline termina rt BBBBBB, not subject to 40 CC. on VIII.DD.6. is "NO", go to 8 | CFR Part 63, | ☐ YES ☐ NO |
| | | 7. | gallons per day. | inal has a throughput of less thon VIII.DD.7. is "YES", go to | | ☐ YES ☐ NO |
| | | 8. | The bulk gasoline term other than railcar cargo | inal loads gasoline into gasoli tanks. | ne cargo tanks | YES NO |
| | | 9. | | inal loads gasoline into railcar on VIII.DD.9. is "NO", go to s | | ☐ YES ☐ NO |
| | | 10. | | inal loads gasoline into railcar pors from a vapor balance sys | | ☐ YES ☐ NO |
| | | 11. | The bulk gasoline term | inal loads gasoline into railcar | cargo tanks | |

which collect vapors from a vapor balance system and that system complies with a Federal, State, local, or tribal rule or permit.

☐ YES ☐ NO



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| Date: 8 | Date: 8/1/2012 RN No.: RN100218841 Permit No.: O3394 | | | | Peri | O3394 | | | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------|-------------------------|--|--|
| Area N | ame: | Kaneka M | IS Polymer Divis | ion | | | | | |
| $igoplus F_{0}$ | or GO | P applicat | tions, answer ON | L questions unless otherwi ILY these questions unless | s otherwise directed. | | | | |
| vm. | III. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | EE. | Recently | Promulgated 4 | 0 CFR Part 63 Subparts | 3 | | | | |
| * | | Par If t of | rt 63 subparts not the response to Q promulgated 40 (| a is subject to one or more taddressed on this form. Question VIII.EE.1. is "NO CFR Part 63 subparts not led in the instructions | O", go to Section IX. | A list | ☐ YES ⊠ NO | | |
| ♦ | | 2. Pro | ovide the Subpart | t designation (i.e. Subpart | EEE) in the space p | orovided | below. | | |
| RICE I | МАСТ | · | | | | | | | |
| IX. | TITI | E 40 CO | DE OF FEDER PREVENTION I | AL REGULATIONS PA PROVISIONS | ART 68 (40 CFR P. | ART 68 |) - CHEMICAL | | |
| | A. Applicability | | | | | | | | |
| * | | Ch | ne application are nemical Accident 68.10. | a contains processes subject Prevention Provisions, and | ect to 40 CFR Part 6 nd specified in 40 C | 58, FR | ⊠ YES □ NO | | |
| X. | TITI STR. | LE 40 CO ATOSPH | DE OF FEDER TERIC OZONE | AL REGULATIONS PA | ART 82 (40 CFR P | ART 82 |) - PROTECTION OF | | |
| | A. | Subpart | A - Production | and Consumption Cont | rols | | | | |
| ♦ | | 1. Th | ne application are stroys, imports, o | ea is located at a site that por exports a controlled sub | produces, transforms pstance or product. | 5, | ☐ YES ☒ NO ☐ N/A | | |
| | В. | Subpart | B - Servicing of | f Motor Vehicle Air Con | ditioners | | | | |
| ♦ | | sy | ervicing, maintens stems using ozon oplication area. | ance, and/or repair of flee ne-depleting refrigerants is | et vehicle air conditions conducted in the | oning | ☐ YES ⊠ NO | | |
| | C. | Subpart Product | t C - Ban on Nor s Containing or | nessential Products Cont Manufactured with Cla | taining Class I Sub lss II Substances | stances | and Ban on Nonessential | | |
| ♦ | | pre | ne application are oducts (which rel 40 CFR Part 82, | ea sells or distributes one dease a Class I or Class II Subpart C. | or more nonessentia substance) that are s | l subject | ☐ YES ⊠ NO ☐ N/A | | |



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| Date: 8/1/2012 RN No.: RN100218841 Permit No.: O3394 | | | : O3394 | | | | | | | |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|--|--|--|--|
| Are | a Name: | Kane | ka MS Polymer Divis | ion | | | | | | |
| ♦ | | | | L questions unless otherwise directed. ILY these questions unless otherwise dire | ected. | | | | | |
| X. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 82 (40 CFR PART 82) - PROTECTION OF STRATOSPHERIC OZONE (continued) | | | | | | | | | |
| | D. | Sub | part D - Federal Pro | curement | | | | | | |
| ♦ | | 1. | The application are instrumentality of t | a is owned/operated by a department, ag he United States. | ency, or | ☐ YES ⊠ NO ☐ N/A | | | | |
| | E. | Sub | part E - The Labelir | ng of Products Using Ozone Depleting | Substances | | | | | |
| ♦ | | 1. | substance is stored | a includes containers in which a Class I or transported prior to the sale of the Cla o the ultimate consumer. | | ☐ YES ⊠ NO ☐ N/A | | | | |
| ♦ | , | 2. | The application are distributor, or retail substance. | ☐ YES ⊠ NO ☐ N/A | | | | | | |
| * | | 3. | distributor, or retail | The application area is a manufacturer, importer, wholesaler, listributor, or retailer of products manufactured with a process that uses a Class I or Class II substance. | | ☐ YES ⊠ NO ☐ N/A | | | | |
| | F. | Sub | part F - Recycling a | nd Emissions Reduction | | | | | | |
| * | | 1. | vehicle air conditio | ance, and/or repair on refrigeration and n n appliances using ozone-depleting refri utes is conducted in the application area. | gerants or | ∑ YES □ NO | | | | |
| ♦ | | 2. | Disposal of applian refrigerant or non-e application area. | ces (including motor vehicle air condition exempt substitute reclamation occurs in the condition occur | oners) or he | ☐ YES ⊠ NO ☐ N/A | | | | |
| ♦ | | 3. | The application are and recovery equip | a manufactures appliances or refrigerant ment. | recycling | ☐ YES ☒ NO ☐ N/A | | | | |
| • | G. | Sub | part G - Significant | New Alternatives Policy Program | | | | | | |
| * | | 1. | product substitutes, intended for use as | a manufactures, formulates, or creates chor alternative manufacturing processes to a replacement for a Class I or Class II confusion X.G.1 is "NO", go to Section X. | that are ompound. | ☐ YES ⊠ NO ☐ N/A | | | | |
| ♦ | | 2. | | luced by the application area meet one or 00 CFR § 82.176(b)(1) - (7). | more of | ☐ YES ☐ NO ☐ N/A | | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 68) Federal Operating Permit Program

| Date: 8/1/2012 RN No.: RN100218841 Permit No.: O3394 | | | | RN No.: RN100218841 | O3394 | | | | |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------|--|--|--|
| Area | Area Name: Kaneka MS Polymer Division | | | | | | | | |
| ♦ | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | |
| Х. | X. TITLE 40 CODE OF FEDERAL REGULATIONS PART 82 (40 CFR PART 82) - PROTECTION OF STRATOSPHERIC OZONE | | | | | | | | |
| | н. | Subp | oart H -Halon Emiss | sions Reduction | | | | | |
| • | | 1. | | maintaining, repairing, or disposing of a conducted in the application area. | equipment | ☐ YES ☒ NO ☐ N/A | | | |
| * | ., | 2. Disposal of halons or manufacturing of halon blends is conducted in the application area. ☐ YES ☑ NO ☐ N/A | | | | ☐ YES ⊠ NO ☐ N/A | | | |
| XI. | MIS | CELL | ANEOUS | | | | | | |
| | A. Requirements Reference Tables (RRT) and Flowcharts | | | | | | | | |
| | | 1. | | a contains units that are potentially subj to the TCEQ has not developed an RRT | | ⊠ YES □ NO | | | |
| | В. | Forn | ns | | | | | | |
| * | | 1. | regulation for which | a contains units that are potentially subjute the TCEQ has not developed a unit at the subjute of the subjute o | tribute form. | ⊠ YES □ NO □ N/A | | | |
| * | | 2. | Provide the Part and Division designation | I Subpart designation for the federal runn for the State regulation(s) in the space | le(s) or the Ch e provided bel | apter, Subchapter and ow. | | | |
| | S, Subpa CT, Subp | | FF – Fugitive Emiss | ions | | | | | |
| | C. | Emis | ssion Limitation Cer | rtifications | | | | | |
| * | | 1. | ** | a includes units for which federally enformations is have been established by certification | | ☐ YES ⊠ NO | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 69) Federal Operating Permit Program

| Date | : 8/1/201 | 2 | | RN No.: RN100218841 | Permit No.: | Permit No.: O3394 | | |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|--|--|
| Area | Name: | Kanek | a MS Polymer Divis | ion | | | | |
| ♦ | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | |
| XI. | MIS | CELL | ANEOUS (continue | ed) | | | | |
| | D. | | rnative Means of Co pirements | ontrol, Alternative Emission Limit | ation or Standaı | rd, or Equivalent | | |
| | | 1. | | a is located at a site that is subject to state implementation plan (SIP). | a site specific | ☐ YES ⊠ NO | | |
| | | 2. | The application are a site specific requi | a includes units located at the site that rement of the SIP. | at are subject to | ☐ YES ⊠ NO | | |
| | | 3. | using an alternative | a includes units which demonstrate or means of control, alternative emissi ent requirements approved by the EP | on limitation or | ☐ YES ⊠ NO | | |
| | E. | Tit | le IV - Acid Rain P | rogram | | · · | | |
| | | 1. | ± ± | a includes emission units subject to t cluding the Opt-In Program. | he Acid Rain | ☐ YES ⊠ NO | | |
| | | 2. | The application are exemption under 40 | a includes emission units qualifying CFR § 72.7 | for the new unit | ☐ YES ☒ NO | | |
| | | 3. | The application are unit exemption und | a includes emission units qualifying er 40 CFR § 72.8. | for the retired | ☐ YES ⊠ NO | | |
| | F. | Clea | n Air Interstate Ru | le (CAIR NO _x and CAIR SO ₂ Pern | nit) | | | |
| | | 1. | requirements of the | a includes emission units subject to to Clean Air Interstate Rule. Question XI.F.1. is "NO", go to Section. | | ☐ YES ⊠ NO | | |
| | | 2. | | a includes emission units qualifying der 40 CFR §§ 96.105 and 96.205. | for the retired | ☐ YES ☐ NO | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 70) Federal Operating Permit Program

| Date: 8/1/2012 | | | RN No.: RN100218841 | Permit No.: | O3394 |
|----------------|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------|
| Area | ı Name: | Kanek | a MS Polymer Division | | |
| ♦ | | | ications, answer ALL questions unless otherwise directed. lications, answer ONLY these questions unless otherwise direc | cted. | |
| XI. | MIS | CELL | ANEOUS (continued) | | 4 |
| | G. | Pern | nit Shield (SOP Applicants Only) | | |
| | | 1. | A permit shield for negative applicability entries on Form OF (Negative Applicable Requirement Determinations) is being or already exists in the permit. | | |
| | Н. | GOP | Type (Complete this section for GOP applications only) | | |
| * | | 1. | The application area is applying for initial issuance, revision, renewal of an oil and gas general operating permit under 511 Gas General Operating Permit for Brazoria, Chambers, Collin Denton, El Paso, Fort Bend, Galveston, Hardin, Harris, Jeffer Liberty, Montgomery, Orange, Tarrant, and Waller Counties. | - Oil and n, Dallas, rson, | ☐ YES ☐ NO |
| * | | 2. | The application area is applying for initial issuance, revision, renewal of an oil and gas general operating permit under 512 Gas General Operating Permit for Gregg, Nueces, and Victor Counties. | - Oil and | ☐ YES ☐ NO |
| * | | 3. | The application area is applying for initial issuance, revision, renewal of an oil and gas general operating permit under 513 Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties. | or - Oil and | ☐ YES ☐ NO |
| * | | 4. | The application area is applying for initial issuance, revision, renewal of an oil and gas general operating permit under 514 Gas General Operating Permit for All Texas Counties Except Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Libet Matagorda, Montgomery, San Patricio, Tarrant, Travis, Victor Waller County. | - Oil and t Aransas, , El Paso, rty, | ☐ YES ☐ NO |
| * | | 5. | The application area is applying for initial issuance, revision, renewal of a solid waste landfill general operating permit und 517 Municipal Solid Waste Landfill general operating permit | der | ☐ YES ☐ NO |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 71) Federal Operating Permit Program

| Date: 8/1/2012 | RN No.: RN100218841 | Permit No.: O3394 | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------|--|--|--|--|--|--|--|
| Area Name: Kaneka MS Polym | er Division | | | | | | | | | |
| For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | | | |
| XI. MISCELLANEOUS (6 | ontinued) | | | | | | | | | |
| I. Title 30 TAC Cha | apter 101, Subchapter H | | | | | | | | | |
| | 1. The application area is located in a nonattainment area. If the response to Question XI.I.1. is "NO", go to question XI.I.3. | | | | | | | | | |
| ♦ 2. The applica the TCEQ F | nt has or will generate emission reducti Emissions Banking and Trading Program | ons to be credited in YES N Nn. | O 🗌 N/A | | | | | | | |
| | n reductions to be YES N ing Program. | O 🗌 N/A | | | | | | | | |
| Houston/Ga | tion area is located at a site in the llveston/Brazoria nonattainment area w ctive uncontrolled design capacity to en | here the facilities mit 10 tpy or more | o | | | | | | | |
| | tion area includes an electric generating AC Chapter 116, Subchapter I. | g facility permitted YES N | O | | | | | | | |
| Houston/Ga potential to compounds | tion area is located at a site in the alveston/Brazoria nonattainment area are emit more than 10 tpy of highly-reactive (HRVOC) from facilities covered under the private of the property of t | ve volatile organic | O | | | | | | | |
| Houston/Ga to emit 10 t applicant is | tion area is located at a site in the alveston/Brazoria nonattainment area, the py or less of HRVOC from covered fact opting to comply with the requirement apter H, Division 6, Highly Reactive Vorogram. | ilities and the s of 30 TAC Chapter | O | | | | | | | |
| J. Periodic Monitor | ring | p | | | | | | | | |
| ♦ 1. The applica submitted a OP-MON. | nt or permit holder is submitting or has t least one periodic monitoring proposa | previously Signature YES Note Note 1 described on Form | TO | | | | | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 72) Federal Operating Permit Program

| Date | e: 8/1/2012 | 2 | | RN No.: RN100218841 | | Permit No.: | O3394 |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------|-------------|-------------------------|
| Are | a Name: K | Canek | a MS Polymer Divis | ion | | | |
| ♦ | | | | , questions unless otherw LY these questions unles | | cted. | |
| XI. | MISC | ELL | ANEOUS (continue | ed) | | | |
| • | K. | Com | pliance Assurance l | Monitoring | | | |
| * | | atrol device per year | ⊠ YES □ NO | | | | |
| ♦ | ♦ 2. The unit or units defined by XI.K.1 are using a control device to comply with an applicable requirement. If the response to Question XI.K.2. is "NO", go to Section XII. | | | | | | ⊠ YES □ NO |
| * | ♦ 3. The permit holder has submitted a CAM proposal on Form OP-MON in a previous application. | | | | | | ⊠ YES □ NO |
| * | 4. The owner/operator or permit holder is submitting a CAM proposal Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. | | | | | ☐ YES ⊠ NO | |
| | | 5. | The owner/operator implementation pla conditions in the pe | or permit holder is submander and schedule to be incommit. | nitting a CAM orporated as enfo | orceable | ☐ YES ⊠ NO |
| | 6. Provide the unit identification numbers for the units for which the applimplementation plan and schedule in the space below. | | | | | | ant is submitting a CAM |
| * | | 7. | | fined by XI.K.1. and XI. eeting the requirements | | | ☐ YES ⊠ NO |
| ♦ | 8. All units defined by XI.K.1. and XI.K.2. are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). If the response to Question XI.K.8. is "YES", go to Section XII. | | | | | ☐ YES ⊠ NO | |
| * | | 9. | | as described by question te matter or opacity. | XI.K.3.or XI.K | 4. · | ⊠ YES □ NO |
| * | | 10. | The CAM proposal addresses VOC. | as described by question | 1 XI.K.3.or XI.K | . 4. | ⊠ YES □ NO |
| ♦ | | 11. | The control device XI.K.3.or XI.K.4. h | in the CAM proposal as as a bypass. | described by que | estion | ☐ YES ⊠ NO |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 73) Federal Operating Permit Program

| Date: 8/1/2012 | RN No.: RN100218841 | Permit No.: O3394 | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------|--|--|--|--|--|--|--|
| Area Name: Kaneka MS Polymer Divis | ion | | | | | | | | | |
| For SOP applications, answer ALI | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | | |
| KII. NEW SOURCE REVIEW (NSR) AUTHORIZATIONS | | | | | | | | | | |
| A. Waste Permits with Air | A. Waste Permits with Air Addendum | | | | | | | | | |
| ♦ 1. The application area Industrial Hazardou If the answer to XII and issuance date in | | □ YES ⊠ NO | | | | | | | | |
| B. Air Quality Standard Pe | ermits | | | | | | | | | |
| ♦ 1. The application are NSR authorization. If the response to X to XII.B.1 is "YES" registration number appropriate. | the response 's | □ YES ⊠ NO | | | | | | | | |
| | a includes at least one "Pollution Contro ed Permit NSR authorization. | ol Project" | YES NO | | | | | | | |
| ♦ 3. The application are Facilities" Air Qual | a includes at least one "Modification of lity Standard Permit NSR authorization. | Oil and Gas | ☐ YES ☐ NO | | | | | | | |
| ♦ 4. The application are Landfill" Air Quali 30 TAC § 116.621. | a includes at least one "Municipal Solid ty Standard Permit NSR authorization u | Waste inder | ☐ YES ☐ NO | | | | | | | |
| Landfill Facilities a | a includes at least one "Municipal Solid and Transfer Stations" Standard Permit a pter 330, Subchapter U. | Waste authorization | ☐ YES ☐ NO | | | | | | | |
| | a includes at least one "Concrete Batch ermit NSR authorization. | Plant" Air | YES NO | | | | | | | |
| 7. The application are Enhanced Controls | a includes at least one "Concrete Batch" Air Quality Standard Permit NSR auth | Plant with norization. | ☐ YES ☐ NO | | | | | | | |
| | a includes at least one "Hot Mix Asphalermit NSR authorization. | It Plant" Air | ☐ YES ☐ NO | | | | | | | |
| 9. The application are Standard Permit No. | a includes at least one "Rock Crusher". SR authorization. | Air Quality | YES NO | | | | | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 74) Federal Operating Permit Program

| Date: 8/1/2012 | | | | RN No.: RN100218841 | Permit No.: | O3394 | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------|-------------|------------|--|--|--|
| Area | Name: | Kanek | a MS Polymer Divis | ion | | | | | |
| ♦ | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | |
| XII. | NEW | SOU | RCE REVIEW (NS | SR) AUTHORIZATIONS (continued) | | | | | |
| | В. | Air (| Quality Standard Pe | ermits | | | | | |
| ♦ 10. The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. If the response to XII.B.10 is "NO", go to Question XII.B.13. | | | | | | | | | |
| * | ♦ 11. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region. | | | | | ☐ YES ☐ NO | | | |
| ♦ | | 12. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region. | | | | ☐ YES ☐ NO | | | |
| | | | The application are Standard Permit NS | a includes at least one "Boiler" Air Quali R authorization. | ty | YES NO | | | |
| | C. | Flexi | ible Permits | | | | | | |
| * | ♦ 1. The application area includes at least one Flexible Permit NSR authorization. | | | | | ☐ YES ☒ NO | | | |
| | D. | Mult | iple Plant Permits | | | | | | |
| | | 1. | The application are authorization. | a includes at least one Multi-Plant Permi | NSR | ☐ YES ⊠ NO | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 75) Federal Operating Permit Program

| Date: 8/1/2012 | RN No.: RN100218 | 3841 | Pe | Permit No.: O3394 | | | | |
|------------------------------------------------------------------|-------------------------------------------------|-------------------------------------|----------------|---------------------|-----------|----------------|----------|--|
| Area Name: Kaneka MS Polymer Divis | sion | | | | | | | |
| For SOP applications, answer ALI For GOP applications, answer ON | L questions unless oth ILY these questions u | herwise directed nless otherwise | directed | d. | | | | |
| XII. NEW SOURCE REVIEW (NS | SR) AUTHORIZAT | IONS (Attach | additio | nal she | ets if ne | ecessar | y) | |
| ♦ E. PSD Permits and PSD N | Iajor Pollutants | , | · | | | | | |
| PSD Permit No.: | | Pollutant(s) | | | | | | |
| PSD Permit No.: | | Pollutant(s) | | | | | | |
| PSD Permit No.: | | Pollutant(s) | | | | | | |
| PSD Permit No.: | | Pollutant(s) | | | | | <u> </u> | |
| ♦ F. Nonattainment (NA) Permits and NA Major Pollutants | | | | | | | | |
| NA Permit No.: | | Pollutant(s) | | | | | | |
| NA Permit No.: | | Pollutant(s) | | | | | | |
| NA Permit No.: | | Pollutant(s) | | | | | | |
| NA Permit No.: | | Pollutant(s) | | | | | | |
| ♦ G. NSR Authorizations wit | h FCAA § 112(g) R | equirements | | | | | | |
| NSR Permit No.: | | NSR Permit No.: | | | | | | |
| NSR Permit No.: | | NSR Permit No.: | | | | | | |
| NSR Permit No.: | | NSR Permit No.: | | | | | | |
| ♦ H Title 30 TAC Chapter 1 (Other Than Permits By | 16 Permits, Special Rule, PSD Permits | Permits, Stand s, NA Permits) t | ard Perfor the | rmits, C Applica | Other A | uthori rea. | zations | |
| Authorization No.: 80931 | | Authorization N | Vo.: | | | | | |
| Authorization No.: | | Authorization No.: | | | | | | |
| Authorization No.: | | Authorization N | Vo.: | | | **** | | |
| Authorization No.: | | Authorization N | Vo.: | | | | | |
| Authorization No.: | | Authorization No.: | | | | | | |
| Authorization No.: | | Authorization N | Vo.: | | | | | |
| Authorization No.: | | Authorization No.: | | | | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 76) Federal Operating Permit Program

| Date: 8/1/2012 | RN No.: RN100218841 | | Permit No.: O3394 | | | | | |
|----------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------|-----------------------------------------|--|--|--|--|--|
| Area Name: Kaneka MS Polymer D | ivision | | | | | | | |
| For SOP applications, answer A For GOP applications, answer C | | | rected. | | | | | |
| XII. NEW SOURCE REVIEW (N | SR) AUTHORIZAT | TIONS (Attach add | itional sheets if necessary) | | | | | |
| ♦ I. Permits by Rule (30 TA | C Chapter 106) for | the Application Ar | ea | | | | | |
| A list of selected Permits by Rule (previous FOP application is available in the insti | | tandard exemptions, |) that are required to be listed in the | | | | | |
| PBR No.: 106.511 | PBR No.: 106.511 Version No./Date: 9/4/2000 | | | | | | | |
| PBR No.: 106.261 | | Version No./Date: | 11/1/2003 | | | | | |
| PBR No.: 106.262 | | Version No./Date: 11/1/2003 | | | | | | |
| PBR No.: | | Version No./Date: | | | | | | |
| PBR No.: | | Version No./Date: | | | | | | |
| PBR No.: | | Version No./Date: | | | | | | |
| PBR No.: | | Version No./Date: | | | | | | |
| PBR No.: | | Version No./Date: | | | | | | |
| PBR No.: | | Version No./Date: | | | | | | |
| PBR No.: | | Version No./Date: | | | | | | |
| PBR No.: | | Version No./Date: | | | | | | |
| PBR No.: | | Version No./Date: | | | | | | |
| ♦ J. Municipal Solid Waste a | and Industrial Haza | rdous Waste Perm | its With an Air Addendum | | | | | |
| Permit No.: | | Permit No.: | | | | | | |
| Permit No.: | | Permit No.: | | | | | | |
| Permit No.: | | Permit No.: | | | | | | |
| Permit No.: | | Permit No.: | | | | | | |

Form OP-REQ2 Negative Applicable Requirement Determination



Texas Commission on Environmental Quality Form OP-REQ2 Negative Applicable Requirement Determinations Federal Operating Permit Program

| Date: 8/1/2012 | Regulated Entity No.: RN100218841 | Permit No.: O3392 |
|----------------------------------------|---------------------------------------|-------------------|
| Company Name: Kaneka North America LLC | Area Name: Kaneka MS Polymer Division | |

| | | Unit/Grou | p/Process | | | | | |
|---------|--------------|-----------|--------------------|-------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------|--|--|
| Unit AI | Revision No. | ID No. | Applicable Form | Potentially Applicable Regulatory Name | Negative Applicability Citation | Negative Applicability Reason | | |
| | 5 | T-S106 | OP-REQ2 | MACT FFFF | 63.2550(i) | Storage tank designated as Group 2. No emission limits or work practice standards apply to Group 2 tanks. | | |
| | 6 | T-S107 | OP-REQ2 | MACT FFFF | 63.2550(i) | Storage tank designated as Group 2. No emission limits or work practice standards apply to Group 2 tanks. | | |
| | 7 | T-S503 | OP-REQ2 | MACT FFFF | 63.2550(i) | Storage tank designated as Group 2. No emission limits or work practice standards apply to Group 2 tanks. | | |
| | 8 | T-S713 | OP-REQ2 | MACT FFFF | 63.2550(i) | Storage tank designated as Group 2. No emission limits or work practice standards apply to Group 2 tanks. | | |
| | 9 | T-S415 | OP-REQ2 | MACT FFFF | 63.2550(i) | Storage tank designated as Group 2. No emission limits or work practice standards apply to Group 2 tanks. | | |
| | 10 | T-S718 | OP-REQ2 | MACT FFFF | 63.2550(i) | Storage tank designated as Group 2. No emission limits or work practice standards apply to Group 2 tanks. | | |
| | 11 | T-S719 | OP-REQ2 | MACT FFFF | 63.2550(i) | Storage tank designated as Group 2. No emission limits or work practice standards apply to Group 2 tanks. | | |
| | 15 | T-S503 | OP-REQ2 | MACT FFFF | 63.2550(i) | Transfer rack designated as Group 2. No emission limits or work practice standards apply to Group 2 transfer racks. | | |
| | | | | | | | | |

TCEQ-10017 (Revised 10/07) OP-REQ2 Form This form for use by facilities subject to air quality permit requirements and may be revised periodically (APDG 5741 v2)

Page_____ of ____

Form OP-UA2 Stationary Reciprocating Internal Combustion Engine Attributes



Stationary Reciprocating Internal Combustion Engine Attributes Form OP-UA2 (Page 4) Federal Operating Permit Program

Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating
Internal Combustion Engines

| Date: 8/1/2012 | Permit No.: 03394 | Regulated Entity No.: RN100218841 |
|----------------------------|-------------------|-------------------------------------|
| Area Name: Kaneka MS Polyn | ner Division | Customer Reference No.: CN604059352 |

| Unit ID No. | SOP/GOP Index No. | Brake HP | Construction/ Reconstruction Date | Nonindustrial Emergency Engine | Service Type | Installation Date | Stationary RICE Type |
|-------------|-------------------|----------|-----------------------------------------|--------------------------------------|--------------|----------------------|-------------------------|
| P-S623C | | 300-500 | 06+ | | EMER | YES | |
| | | | | | | | |
| | | | | | | | |
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TCEQ - 10003 (Revised 04/12) OP-UA2 This form for use by facilities subject to air quality permit, requirements and may be revised periodically. (APDG 5702v12)

Form OP-UA13 Cooling Tower Attributes



Cooling Tower Attributes Form OP-UA13 (Page 7) Federal Operating Permit Program

Table 6: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing

| Date: 8/1/2012 | Permit No.: O3394 | Regulated Entity No.: RN100218841 |
|---------------------------------------|-------------------|-----------------------------------|
| Area Name: Kaneka MS Polymer Division | | Customer Reference No.: |

| Unit ID No. | SOP Index No. | Monitoring |
|-------------|---------------|------------|
| Y-S601 | | YES |
| | | |
| | | |
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| | | |
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Form OP-UA60 Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes



Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes Form OP-UA60 (Page 11) Federal Operating Permit Program

Table 6a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical
Manufacturing - MCPU Processes with Batch Vents

Date: 8/1/2012Permit No.: O3394Regulated Entity No.: RN100218841Area Name: Kaneka MS Polymer DivisionCustomer Reference No.: CN604059352

| Process ID No. | SOP Index No. | Designated Grp1 | Determined Grp1 | Vent Emission Control |
|----------------|---------------|-----------------|-----------------|-----------------------|
| RS731 | | YES | YES | CFL |
| RS721 | | YES | YES | CFL |
| RS201 | | YES | YES | CFL |
| RS410 | | YES | YES | CFL |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

TCEQ 10296 (Revised 04/12) OP-UA60 Form This form for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5153v7)

| Page | of |
|------|----|
| | |



Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes Form OP-UA60 (Page 12) Federal Operating Permit Program

Table 6b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing - MCPU Processes with Batch Vents

| Date: 8/1/2012 | Permit No.: O3394 | Regulated Entity No.: RN100218841 | | |
|----------------------------|-------------------|-------------------------------------|--|--|
| Area Name: Kaneka MS Polym | er Division | Customer Reference No.: CN604059352 | | |

| Process ID No. | SOP Index No. | Designated HAL | Determined HAL | Scrubber | Prior Eval | Assessment Waiver | Assessment Waiver ID | Negative Pressure | Bypass Line |
|----------------|---------------|-------------------|-------------------|----------|------------|----------------------|-------------------------|----------------------|-------------|
| RS731 | | NO | NO | | YES | | | NO | YES |
| RS721 | | NO | NO | | YES | | | NO | YES |
| RS201 | | NO | NO | | YES | | | NO | YES |
| RS410 | | NO | NO | | YES | | | NO | YES |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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TCEQ 10296 (Revised 04/12) OP-UA60 Form
This form for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5153v7)

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